

CLAIMS

1. A low-heat accumulating thermoplastic resin composition comprising 100 parts by mass of a thermoplastic resin [A] and 0.1 to 15 parts by mass of an inorganic pigment [B] having an infrared-reflecting property.

2. A low-heat accumulating thermoplastic resin composition according to claim 1, wherein said thermoplastic resin [A] is a rubber-reinforced vinyl-based resin (A1) produced by polymerizing a vinyl-based monomer component (b) in the presence of a rubber polymer (a), or a mixture of the rubber-reinforced vinyl-based resin (A1) and a (co)polymer (A2) of a vinyl-based monomer component.

3. A low-heat accumulating thermoplastic resin composition according to claim 1 or 2, wherein said thermoplastic resin [A] contains the rubber polymer (a) in an amount of 3 to 40% by weight.

4. A low-heat accumulating thermoplastic resin composition according to any one of claims 1 to 3, wherein said composition satisfies such a requirement that when a molded product produced from the composition which has a length of 80 mm, a width of 55 mm and a thickness of 2.5 mm

is placed in a chamber whose temperature and relative humidity are controlled to $25 \pm 2^\circ\text{C}$ and $50 \pm 5\% \text{RH}$, respectively, and a surface of the molded product is irradiated with light from a height of 200 mm above the molded product using an infrared lamp with an output power of 100 W for 60 min, a temperature rise thereof is not less than 50°C , said temperature rise being defined as a difference between a temperature of the surface of the molded product as measured after the light irradiation and an initial temperature thereof as measured before the light irradiation.

5. A low-heat accumulating thermoplastic resin composition according to any one of claims 1 to 4, wherein said vinyl-based monomer component contains an aromatic vinyl compound.

6. A low-heat accumulating thermoplastic resin composition according to any one of claims 1 to 5, wherein said inorganic pigment [B] is a compound containing at least one element selected from the group consisting of Fe, Cr, Mn, Cu, Co and Ni.

7. A low-heat accumulating thermoplastic resin composition according to claim 6, wherein said inorganic pigment [B] is an oxide containing at least two elements

selected from the group consisting of Fe, Cr and Mn.

8. A low-heat accumulating thermoplastic resin composition according to claim 6 or 7, wherein said inorganic pigment [B] is an oxide containing Co and Ni elements, and a ratio Co/Ni of the Co element to the Ni element in the composition is in the range of 5/95 to 95/5.

9. A low-heat accumulating thermoplastic resin composition according to any one of claims 1 to 8, further comprising 0.01 to 10 parts by mass of an inorganic pigment [C] based on 100 parts by mass of the thermoplastic resin [A].

10. A low-heat accumulating thermoplastic resin composition according to claim 9, wherein said inorganic pigment [B] satisfies such a requirement that a molded product comprising 100 parts by mass of a block-type polypropylene and 0.5 part by mass of the inorganic pigment [B] exhibits an L value of less than 40, and said inorganic pigment [C] satisfies such a requirement that a molded product comprising 100 parts by mass of a block-type polypropylene and 0.5 part by mass of the inorganic pigment [C] exhibits an L value of not less than 40.

11. A low-heat accumulating thermoplastic resin composition according to claim 9 or 10, wherein said inorganic pigment [C] is at least one pigment selected from the group consisting of white-based inorganic pigments, red-based inorganic pigments, green-based inorganic pigments, yellow-based inorganic pigments, brown-based inorganic pigments, blue-based inorganic pigments, violet-based inorganic pigments, silver color-based inorganic pigments and pearl color-based inorganic pigments.

12. A low-heat accumulating thermoplastic resin composition according to claim 11, wherein said inorganic pigment [C] is a green-based inorganic pigment.

13. A low-heat accumulating thermoplastic resin composition according to claim 12, wherein said inorganic pigment [C] further includes a white-based inorganic pigment and a blue-based inorganic pigment.

14. A low-heat accumulating thermoplastic resin composition according to any one of claims 1 to 13, wherein a molded product produced from the composition exhibits an L value of not more than 40 when a hue of the molded product is represented by a Lab color system.

15. A low-heat accumulating thermoplastic resin composition according to any one of claims 1 to 14, wherein a molded product produced from the composition exhibits a maximum reflectance value of not less than 15% as measured by irradiating the molded product with light having a wavelength of 1000 to 1250 nm.

16. A molded product comprising the low-heat accumulating thermoplastic resin composition as defined in any one of claims 1 to 15.